

## EAST Search History

| Ref # | Hits  | Search Query  | DBs                                      | Default Operator | Plurals | Time Stamp          |
|-------|-------|---|--|------------------|---------|---------------------|
| L1    | 12109 | (hole near inject\$5) same (hole near transport\$5)                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/11/23<br>19:24 |
| L2    | 69117 | (luminescent or emitt\$5 or emiss \$5) near layer                   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/11/23<br>19:25 |
| L3    | 3080  | L2 same host same (guest or dopant)                                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/11/23<br>19:25 |
| L4    | 18362 | hole near block\$5  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/11/23<br>19:25 |
| L5    | 40057 | electron near inject\$5   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/11/23<br>19:26 |
| L6    | 1093  | L1 and L3 and L4 and L5   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/11/23<br>19:26 |
| L7    | 96    | L1 same L3 same L4 same L5  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/11/23<br>19:26 |
| L8    | 96    | L7 and (anode or cathode or electrode)                              | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/11/23<br>19:27 |
| L9    | 51    | L8 and mixed  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/11/23<br>19:27 |
| L10   | 24    | L9 and triplet  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/11/23<br>19:27 |
| L11   | 24    | L10 and (platinum or iridium)                                       | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/11/23<br>19:28 |
| L12   | 22    | L11 and (audio or display or video or camera or computer or phone ) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/11/23<br>19:29 |
| L13   | 1320  | ((hole near transport\$5) near layer) same mixed                    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/11/23<br>19:35 |
| L14   | 126   | ((hole near transport\$5) near layer) near2 mixed                   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/11/23<br>19:35 |
| L15   | 127   | ((electron near transport\$5 near layer) near2 mixed)               | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/11/23<br>19:36 |

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| L16 | 42   | L14 and L15  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>19:36 |
| L17 | 339  | blocking near2 mixed   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>19:36 |
| L18 | 4    | L16 and L17  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>19:36 |
| L19 | 24   | L16 and (blocking near layer)                                | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>19:37 |
| L20 | 10   | L14 and (concentration near<br>gradient)                     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>19:42 |
| L21 | 3    | L15 and (concentration near<br>gradient)                     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>19:47 |
| L22 | 8936 | blocking near material                                       | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>19:51 |
| L23 | 1142 | L22 same (blocking near layer)                               | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>19:51 |
| L24 | 452  | L2 and L23   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>19:51 |
| L25 | 11   | L24 and (highest near occupied<br>near molecular near orbit) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>19:52 |
| L26 | 11   | L25 and (lowest near unoccupied<br>near molecular)           | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>19:54 |
| L27 | 145  | L6 and 257/79,80,101,102,103.<br>ccs.                        | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>19:55 |
| L28 | 118  | L27 and 428/690,212,336,917.<br>ccs.                         | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>19:56 |
| L29 | 117  | L28 and 313/504,503,506.ccs.                                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>19:56 |
| L30 | 67   | first near mixed near (region or<br>area)                    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>20:00 |
| L31 | 65   | second near mixed near (region<br>or area)                   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>20:00 |
| L32 | 15   | third near mixed near (region or<br>area)                    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>20:01 |

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| L33 | 12 | fourth near mixed near (region or area) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>20:02 |
| L34 | 12 | L30 and L31 and L32 and L33             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>20:02 |
| L35 | 11 | L34 and gradient                        | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>20:02 |
| L36 | 11 | L35 and (hole near inject\$5)           | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>20:03 |
| L37 | 11 | L36 and (hole near transport\$5)        | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>20:03 |
| L38 | 2  | L37 and (blocking near material)        | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>20:04 |
| L39 | 15 | L30 and L31 and L32                     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>20:04 |
| L40 | 13 | L39 and (hole near inject\$5)           | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>20:05 |
| L41 | 12 | L40 and (hole near transport\$5)        | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>20:05 |
| L42 | 3  | L41 and (blocking near material)        | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/11/23<br>20:05 |

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